Hi All

Further to the communication we had at the end of last term I would like to propose the following.

***We offer the ICA30111 Network option to consist of:***

3WHS Workplace Health & Safety BSBOHS302B Participate effectively in OHS communication and consultative processes

3SWP Sustainable Work Practices BSBSUS301A Implement and monitor environmentally sustainable work practices

3CUD Create User Documentation ICAICT301A Create user documentation

3PAC Provide Advice to Clients ICASAS305A Provide IT advice to clients

3ITE IT Essentials ICASAS301A Run standard diagnostic tests

ICASAS303A Care for computer hardware

ICAICT302A Install and optimise operating system software

ICAICT303A Connect internal hardware components

ICASAS306A Maintain equipment and software

ICASAS304A Provide basic system administration

2WIT Work IT Environment ICAICT202A Work and communicate effectively in an IT environment

3WNW Windows Networking ICANWK305A Install and manage network protocols

ICASAS307A Install, configure and secure a small office home office network

4BWN Build Wireless NW ICANWK405A Build a small wireless local area network

3WSF Windows Server Fundamentals ICANWK304A Administer network peripherals

ICANWK303A Configure and administer a network operating system

4IVM Install Virtual Machines ICANWK402A Install and configure virtual machines for sustainable ICT

The subject 4IVM can be substituted with 3APPS or any other Certificate 3 or 4 competencies where the student only wishes to complete a certificate 3. 4IVM is a pre requisite for many Certificate 4 subjects and so should be introduced at this level during the second term of the semester.

3ITE has the subject 2WIT de-bundled as it is taught in Cert 2 to reflect strategy in Region and North.

3CDH is replaced with 3WNW – based on MS 366 exam. Could be introduced as semester subject and balance the load of delivery over two terms. It is also de-bundled to have Wireless NW competency as stand alone. This makes it easier for fast track option and matches strategy undertaken by Region.

***We offer the ICA40411 Network option to consist of:***

4CEP Copyright Ethics & Privacy ICAICT418A Contribute to copyright, ethics and privacy in an IT environment

4CRS1 Cisco Routing and Switching 1 ICANWK404A Install, operate and troubleshoot a small enterprise branch network

ICTTEN4199A Install, configure and test a router

ICTTEN4198A Install, configure and test an internet protocol network

ICASAS426A Locate and troubleshoot IT equipment, system and software faults

4WNI Windows Networking ICANWK403A Manage network and data integrity

ICANWK406A Install, configure and test network security

4WAD Windows Active Directory ICTTEN5201A Install, configure and test a server

ICANWK401A Install and manage a server

ICAICT401A Determine and confirm client business requirements

4LXA Linux Administration ICANWK408A Configure desktop environment

ICANWK411A Deploy software to networked computers

4IVM Install Virtual Machines ICANWK402A Install and configure virtual machines for sustainable ICT

5LXN Linux Network ICANWK504A Design and implement an integrated server solution

ICANWK505A Design, build and test a network server

The subjects 4LXA correspond to 4RHA, the subject 5LXN corresponds to 5RHN as used in the Region and North. The subject 4RHE is dropped as it is not required by Training Package rules. This reduces cost for student as well as decreasing time required. The first CISCO course 4CSR1 replaces 4CAS1 in the North and Region and 4CDB in the South.

This will give us a commonality of teaching across the state. Commonality of documentation, pathway and advice.

***We offer the ICA50411 Network option to consist of:***

The Diploma is problematic:

4CEP  
5LXN  
5EVC already have commonality.

There is a requirement for students to have done 4WAD as it contains a Diploma competency (as well as the underpinning skills required).

The North and Region teach x4 competencies as 5ICS – the South has split these into 3 subject groups, 5ISV, 5ECS and 5CNW to reduce Nominal hours in the subject and to align with the Advanced Diploma of Computer Systems Technology (ADCST).

There is an obvious need for these to be “standardised”. I propose that these be broken up as per the South groupings and subject co-coordinators to ensure all sites teach same curriculum material.

Problem comes with CISCO subjects and the remaining x5 required competencies. The South use 5CDR and 5CDD (What was Discovery CISCO 3 and CISCO 4) and the North and Region use 5CAS2 (Exploration 2) and then two other subjects 5ISM and 5NSA. This strategy over teaches if student is required to do 4WAD. There is a fundamental problem of too much to teach and no space to teach it in. Some competing interests to be considered:

* Strategy was to have Advanced Diploma of Network Security as a stand-alone qualification. Ie a prospective person could be expected to join the course if they had a suitable degree, enough relevant industry experience and a CCNA or equivalent knowledge.
* Synergy with the ADCST
* Flinders University to offer new Degree in Network Security at SEIC. Offer TAFE SA a partnership premised on the CCNA, we do the teaching and PD, they supply the equipment.
* CISCO Security in Advanced Diploma. Use to require x4 semester of study now only require CCENT.
* Do we make the C3-C4-Dip a two year pathway to match up with the other qualifications? (Web, Software Dev, Digital Media are two year Diplomas.)
* The materials in 5NSA (Region and North) are covered by materials in 6NPS (South). Competencies in 5ISM are imported (electives) in the qualification.

At this level I believe we truly can offer electives. Students at this stage will either elect to go on to do the Advanced Diploma on Network Security or will exit with Diploma.

I propose:

5CSR2 Cisco Routing and Switching 2 ICTTEN6206A Produce an ICT network architecture design

ICANWK507A Install, operate and troubleshoot medium enterprise routers

ICANWK508A Install, operate and troubleshoot medium enterprise switches

This will leave x2 competencies required for the Diploma and allow students get the CCENT and be eligible to start the CISCO Security part of the Advanced Diploma.

Students can elect to do either:

5CSN CISCO Scaling Networks ICANWK506A Configure, verify and troubleshoot WAN links and IP services in a medium enterprise network

ICANWK518A Design an enterprise wireless local area network

Or..

5ISM IT Service Management ICASAS601A Implement change-management processes

ICASAS509A Provide client IT support services

And they will be eligible for Diploma.

Students wishing to do a pathway to a CCNA could elect to do as an additional subject (FFS) or as part of the Advanced Diploma

5CCN Cisco Connect Networks ICANWK612A Plan and manage troubleshooting advanced integrated IP networks

ICTTEN4214A Install and maintain a wide area network.

***We offer the ICA60211 Network option to consist of:***

Again the Advanced Diploma is problematic.

There is NO commonality of bundling.

***For Discussion:***

* There should only be one Advanced Diploma of Network Security in the state. Ie if you get it from TTG, Gawler or Adelaide it should basically be the same.
* Do we work on the basis of Integrating CISCO Security into the Advanced Diploma? Implication for staff development and equipment.
* The approaches to the Project are completely different. One is systems based the other cloud based.
* Wireless subject in the South is based around ARUBA course ware and equipment. Implication for staff development and equipment.
* 6SRM (North) could be used as electives.
* Do we continue with the philosophy of aligning to Vendor Certification? Implications for staff development and equipment.
* Synergy with the ADCST

I believe we must proceed with what we believe is best, not what is achievable. If we think Vendor Certification is the best approach, that Industry wants that approach, then TAFE will have to fund PD and equipment. If a new standard came in for transport or engineering, equipment would be bought. There will be a lead in time and transition to the newer bundling. I am a believer in Industry certification. It adds value to our offerings and distinguishes us in the marketplace and lends itself to short courses and industry training.

I would like to propose the following as a start of the discussion for Semester 2 2014.

6CNSA CISCO Security A ICANWK608A Configure network devices for a secure network infrastructure

6CNSB CISCO Security B ICANWK601A Design and implement a security system

(Split to accommodate the ADCST-intended to be taught sequentially)

6NPS Network Security Perimeter ICANWK509A Design and implement a security perimeter for ICT networks

(Required by the ADCST)

6NSS Network Server Security ICANWK602A Plan, configure and test advanced server based security

(Required by the ADCST)

Could these be merged to form one competency? What do we teach in them?

6NMP Network Major Project ICTSUS6233A Integrate sustainability in ICT planning and design projects

ICANWK604A Plan and configure advanced internetwork switching solutions

ICTPMG8143A Manage a telecommunications project

6EWD Enterprise Wireless Design ICANWK502A Implement secure encryption technologies

ICANWK605A Design and configure secure integrated wireless systems

6EWS Enterprise Wireless Security ICANWK607A Design and implement wireless network security

(Split to accommodate the ADCST)

Do we use ARUBA courseware and equipment or a more generic course? Do we use VOIP here?

***Plus one from:***

5LX , 5CNS, 5ISM or 5CNN

Two competencies from the Diploma can be used at this level.

I have not looked at Skill Sets in these choices. Is this necessary?

***Where do we fit these?:***

6SRM Security Risk Management CPPSEC5004A Prepare Security Risk Management Plan

6CLD Cloud Security ICANWK616A Manage security, privacy and compliance of cloud service deployment (New cloud competency to be released next year)